

DEC 07 1990

Certified Mail
Return Receipt Request

Article Number: P 400 661 673

Mr. Jim Jensen
Environmental Coordinator
Square D Company
P.O. Box 3069
Cedar Rapids, Iowa 52406-3069

Re: Square D Company
Cedar Rapids, Iowa
EPA ID No. IAD00081910

Dear Mr. Jensen:

Your letter dated November 27, 1990 requests a 30 day extension to store one sludge bag of F006 hazardous waste at the subject facility, due to hazardous waste transportation scheduling problems. Your letter states that the 90 day storage limit expired on November 30, 1990 for this waste. The United States Environmental Protection Agency hereby approves the requested thirty day extension.

In order to assure that the waste is transported off-site prior to extension termination, EPA asks that you send Mr. Brian Mitchell, WSTM/RCRA/IOWA, EPA Region VII, 726 Minnesota Avenue, Kansas City, Kansas 66101, a copy of the hazardous waste manifest used to ship the F006 hazardous waste off-site [must be signed by the transporter], and a copy of the land disposal restriction notice accompanying the hazardous waste shipment by December 22, 1990.



R00352692
RCRA RECORDS CENTER

If you have any questions regarding this letter, please contact Brian at (913) 551-7633.

Sincerely,

Baerbel E. Schiller
Chief, RCRA Branch
Waste Management Division

cc: Pete Hamlin, IDNR

SQUARE D COMPANY

ELECTRICAL AND ADVANCED TECHNOLOGY PRODUCTS

CIRCUIT BREAKER DIVISION

319-365-4631



3700 SIXTH STREET, S.W.
P.O. BOX 3069

CEDAR RAPIDS, IOWA 52406-3069

November 27, 1990

Luetta Flourney
Chief Iowa Section
WSTM/RCRA/Iowa
EPA Region VII
726 Minnesota Avenue
Kansas City, Kansas 66101

Dear Ms. Flourney:

I am requesting a 30 day extension on one sludge bag of F006 waste. Due to scheduling problems, our disposer, World Resources Company could not pick up this bag until December 3, 1990. Our 90 day storage on this sludge bag expires November 30, 1990.

If you have any questions, please call me at 319-365-4631.

Jim Jensen
Environmental Coordinator

ne
SLUDGEBA.DOC

cc: Dick Kelly

RECEIVED
DEC 03 1990
IOWA SECTION



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VII
726 MINNESOTA AVENUE
KANSAS CITY, KANSAS 66101

DEC 07 1990

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Environmental Coordinator
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P.O. Box 3069
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If you have any questions regarding this letter, please contact Brian at (913) 551-7633.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Baerbel E. Schiller'.

Baerbel E. Schiller
Chief, RCRA Branch
Waste Management Division

cc: Pete Hamlin, IDNR

MR. BRIAN MITCHELL
WSTM/RCRA/IOWA
EPA REGION II
726 MINNESOTA AVE
KANSAS CITY, KS 66101

ATTACHED IS A COPY OF THE HAZARDOUS MANIFEST USED TO SHIP THE
F006 WASTE. THIS IS THE SHIPMENT FOR WHICH WE REQUESTED AN
EXTENSION.

PLEASE CONTACT ME IF YOU HAVE ANY QUESTIONS.



RICHARD KELLY TRAFFIC MANAGER
SQUARE D COMPANY
3700 6TH ST SW
CEDAR RAPIDS, IA. 52406

RECEIVED

DEC 17 1990

IOWA SECTION

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

I.A.D.0.0.0.8.1.9.1.1.0 0.1.1.2.0

Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

SQUARE D COMPANY 3700 6TH ST SW
PO BOX 3069 CEDAR RAPIDS, IOWA 52406

4. Generator's Phone ()

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name

CKC INC

6. US EPA ID Number

C.A.D.9.8.0.5.8.4.5.1.0

C. State Transporter's ID

D. Transporter's Phone 408-627-2595

7. Transporter 2 Company Name

8. US EPA ID Number

.....

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

WORLD RESOURCE COMPANY
8113 WEST SHERMAN STREET
PHOENIX, ARIZONA 85043

10. US EPA ID Number

A.Z.D.9.8.0.7.3.5.0.0

G. State Facility's ID

H. Facility's Phone 602-233-9166

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

HM

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

a. RQ, HAZARDOUS WASTE, SOLID,
X NOS, ORM-E, NA9189 (FO06)

0.0.3

B.A

0.0.0.0.3

2

171

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

RQ-1

K. Handling Codes for Wastes Listed Above

HA-BAG
2-CH. YD.

15. Special Handling Instructions and Additional Information

WEAR GLOVES AND GOGGLES WHEN HANDLING.
TAKE CARE NOT TO INGEST SLUDGE. EMERGENCY RESPONSE NO. 319-365-4631

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

RICHARD R. KELLY

Signature

Richard R. Kelly

Month Day Year

12/01/90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

David Bearce

Signature

David Bearce

Month Day Year

12/04/90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

.....

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

.....

N O T I C E

To: World Resources Company

Subject: Land Disposal Restriction Notice

From:

SQUARE D Co
3700 6th St SW
CEDAR RAPIDS, IA

Manifest Number:

01120

Date of Shipment:

This shipment of material bearing EPA Hazardous Waste Number F006 is subject to the land disposal restrictions of 40 CFR, Part 268. This material does not meet the treatment standards specified in Part 268 Subpart D or does not meet the prohibitions specified in 268.32 or RCRA Section 3004(d). The treatment standards or prohibition levels are as provided below:

Section 1. F006 Information

Hazardous Waste No.	Subcategory	Treatability Group	CFR Reference for Treatment Standard	Five-Letter Code(s)
F006	None	Nonwastewater	40 CFR 268.41 40 CFR 268.43	Not Applicable

NOTE: This completes the required portion of the certificate unless the metals, organics, or solvents noted in Section 2 are above the concentration levels shown.

Section 2. Additional Potential Metals, Organics and Solvents (check all boxes that apply)

- ☐ a) This shipment includes metals beyond those included as regulatory constituents in F006, and the metal listed is likely to include concentration levels in excess of treatment standards for land disposal.

Hazardous Waste No.	Regulatory Constituent	Concentration Unit (mg/l)	Sub-category	Treatability Group	CFR Reference for Treatment Standard	Five-Letter Code(s)
<input type="checkbox"/> D004	Arsenic	5.0	—	Nonwastewater	40 CFR 268.41	—
<input type="checkbox"/> D005	Barium	100.0	—	Nonwastewater	40 CFR 268.41	—
<input type="checkbox"/> D009	Mercury	0.2	Low <260/mg/kg High ≥260/mg/kg	Nonwastewater Nonwastewater	40 CFR 268.41 40 CFR 268.42	— IMERC or RMERC
<input type="checkbox"/> D010	Selenium	5.7	—	Nonwastewater	40 CFR 268.41	—
<input type="checkbox"/> _____	_____	_____	_____	_____	_____	_____

- ☐ b) This shipment includes TCLP Organics (as identified in Table 1, §261.24) in excess of the concentration standard authorized for land disposal (check appropriate boxes).

Hazardous Waste No.	Contaminant	Regulatory Level (mg/l)	Hazardous Waste No.	Contaminant	Regulatory Level (mg/l)
<input type="checkbox"/> D018	Benzene	0.5	<input type="checkbox"/> D035	Methyl Ethyl Ketone	200.0
<input type="checkbox"/> D019	Carbon Tetrachloride	0.5	<input type="checkbox"/> D036	Nitrobenzene	2.0
<input type="checkbox"/> D028	1,2 Dichloroethane	0.5	<input type="checkbox"/> D039	Tetrachloroethylene	0.7
<input type="checkbox"/> D029	1,1 Dichloroethylene	0.7	<input type="checkbox"/> D040	Trichloroethylene	0.5
<input type="checkbox"/> _____	_____	_____	<input type="checkbox"/> _____	_____	_____

- ☐ c) This shipment includes Halogenated Organic Compounds (HOC) as identified in RCRA §3004(d) California List wastes at levels in excess of 1,000 mg/kg.
- ☐ d) This shipment includes spent solvents (F001-F005) with levels of regulated constituents in excess of the concentration standard authorized for land disposal. Detail is provided on attached sheet.

A waste analysis for this waste is attached, where available.

Signed:

Richard A. Kelly

Title:

Therese May

TREATMENT STANDARDS FOR F001-F005 SPENT SOLVENTS

(TO BE INCLUDED WITH LAND DISPOSAL RESTRICTION NOTICE,
IF REQUIRED)

[Instructions: Check the box beside each waste included in the material shipment;
and circle the individual constituents likely to be present above the limit identified.]

Hazardous Waste Description	Constituents of Concern	Nonwastewater	
		Total Composition, mg/kg	TCLP, mg/L
<input type="checkbox"/> F001—Spent halogenated solvents used in degreasing	Carbon tetrachloride		0.96
	Methylene chloride		0.96
	Tetrachloroethylene		0.05
	1,1,1-Trichloroethane		0.41
	Trichloroethylene		0.091
	1,1,2-Trichloro-1,2,2-tri- fluoroethane		0.96
<input type="checkbox"/> F002—Spent halogenated solvents	Trichlorofluoromethane		0.96
	Chlorobenzene		0.05
	1,2-Dichlorobenzene		0.125
	Methylene chloride		0.96
	Methylene chloride (from the pharmaceutical industry)		—
	Tetrachloroethylene		0.05
	1,1,1-Trichloroethane		0.41
	1,1,2-Trichloroethane	7.6	
	Trichloroethylene		0.091
	1,1,2-Trichloro-1,2,2-tri- fluoroethane		0.96
<input type="checkbox"/> F003—Spent non-halogenated solvents	Trichlorofluoromethane		0.96
	Acetone		0.59
	n-Butyl alcohol		5.0
	Cyclohexanone		0.75
	Ethyl acetate		0.75
	Ethyl benzene		0.053
	Ethyl ether		0.75
	Methanol		0.75
	Methyl isobutyl ketone		0.33
	Xylene		0.15
<input type="checkbox"/> F004—Spent non-halogenated solvents	Cresols (and cresylic acid)		0.75
	Nitrobenzene		0.125
<input type="checkbox"/> F005—Spent non-halogenated solvents	Benzene	3.7	
	Carbon disulfide		4.81
	2-Ethoxyethanol	Incineration ¹	
	Isobutanol		5.0
	Methyl ethyl ketone		0.75
	2-Nitropropane	Incineration ¹	
	Pyridine		0.33
	Toluene		0.33

¹ Five-letter code is "INCIN".



PDC Laboratories, Inc.

ANALYTICAL REPORT FORM

To: Square D - Cedar Rapids Sales Rep Doug Beck
3700 6th Street S.W. Sample _____
Cedar Rapids, IA 52406 PDC # 90020042
Date Received 02-01-90 Permit # _____
Attn: Jim Jensen Date of Report 02-19-90 P.O. # 6017058
Waste Stream F006 Sludge

Color Green BTU BTU/lb Physical State Solid
% Solids 30 Flashpoint >200 °F Number of Phases 1
Bulk Density 1,150 lb/yd³ % Ash _____ Water Reactivity None Observed
pH _____ (neat); 8.9 (10% solution) Paint Filter Pass
Lab Comments: _____

	Totals (mg/kg)	TCLP (mg/l)		(mg/kg)
Aluminum			Cyanide (Amenable)	
Antimony				
Arsenic	<3.9		Cyanide (Total)	0.13
Barium	25		Cyanide (Reactive)	
Cadmium	19	0.13		
Chromium (Total)	842	0.01	EOX	1,000
Chromium (Hex.)				
Copper			Cil & Grease	
Iron				
Lead	70	<0.025	Phenols (Total)	<2.7
Manganese				
Mercury	<0.05		Sulfide (Total)	<0.55
Nickel	19,000	108	Sulfide (Reactive)	
Selenium	6.0	0.06		
Silver	889	0.07	TOC	
Zinc				

(1) Run according to Illinois Pollution Control (6/84) Section 729.320/321.

John LaRaine
Laboratory Manager

John R. Davis
Quality Assurance Officer

Analyses conducted utilizing USEPA, IEPA or other recognized methods.
P.O. Box 9071
Peoria, IL 61614
(309) 676-4893

MSDS

Material Safety Data Sheet

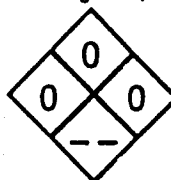
Recycler's Facility Name and Site Address:

Issued August 7, 1990

For Emergencies Call:

World Resources Company

8113 West Sherman Street
Phoenix, Arizona 85043
Telephone: 602/233-9166

**CHEMTREC**

Day or Night

800-424-9300

Outside Continental U.S. Call:

202-483-7616 Collect

All calls are recorded.

Section 1**MATERIAL IDENTIFICATION**

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge

Environmental Protection Agency (EPA) Waste Classification: F006

Chemical Family: Metallic (Hydroxide) Precipitates

Synonym: Non-ferrous Metal Hydroxide Filter Cake

Department of Transportation (DOT) Information:

DOT Shipping Name: Hazardous Waste Solid, N.O.S.

DOT Hazard Class: ORM-E

DOT Identification Number: NA-9189

Section 2**HAZARDOUS INGREDIENTS**

Ingredient:	CAS Number:	Content %:	ACGIH-TLV	Toxicology: (rat, oral)
Copper Hydroxide	7440-50-8	5-30	1.0 mg/m ³ (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	7440-02-0	2-15	1.0 mg/m ³ (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0-15	5.0 mg/m ³ (Dust)	LD-50 7,340 mg/kg
Diatomaceous Earth	68855-54-9	0-10	6.0 mg/m ³ (Dust)	LD-50 3,160 mg/kg

Section 3**PHYSICAL AND REACTIVITY DATA**

Description: Solid, Clay-like Clumps,
Gray/Green to Brown,
Water Content 50-80%

Specific Gravity: 1 to 1.4

Solubility: Insoluble in water

Density: 64 to 90 lbs/cu/ft

Incompatible Reactivity: None Known

Vapor Pressure: Insignificant

Stability: Avoid contact with acids

Polymerization: Will not occur

Boiling Point: Above 2600°C

Melting Point: Above 1800°C

pH: 7.0 to 10.0

Odor: Nil

Section 4**FIRE AND EXPLOSION DATA**

Flashpoint: Nonflammable

Special Firefighting Procedures: None

Oxidation: Non-oxidizing

Explosive: Non-explosive

Product Decomposition Due

to Fire or Explosion: None

Section 5**TOXICITY**

Listed Carcinogen component: Nickel

Toxicology: See Sec. 2 (Nickel Hydroxide)

Route of Entry: Inhalation and Ingestion

Section 6**HEALTH EFFECTS AND FIRST AID**

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

Section 7**PRECAUTIONS FOR SAFE HANDLING**

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and gloves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

Section 8**CONTROL MEASURES**

Respiratory Protection: NIOSH-MSHA approved respirators as required.
Other Protective Equipment: Coveralls are recommended, but not required.

Eye Protection: Safety Glasses recommended.

Hand Protection: Gloves recommended.

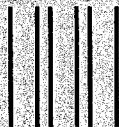
Section 9**GENERATORS VERIFICATION**

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: _____ Telephone: 319-365-4631 Date: _____

Company Name and Address: SQUARE D COMPANY, 3700 6th st. S.W., CEDAR RAPIDS, IOWA 52406

Signature: _____

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS



SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.



PENALTY FOR PRIVATE USE, \$300

RETURN
TO

Print Sender's name, address, and ZIP Code in the space below.

U.S. EPA Region VII
RCRA Branch/IOWA Section
726 Minnesota Avenue
Kansas City, KS 66101

Bm
DEC 07 1990

P 400 661 673

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

Square D (See Reverse)

Sent to	
Jim Jensen, Coordinator	
Street and No.	
P.O. Box 3069	
P.O., State and ZIP Code	
Cedar Rapids, IA 52406-306	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

40

U.S.G.P.O. 1989-234-555

300, June 1985

<p>SENDER 3 and 4.</p> <p>Put your address on the reverse side. Failure to do this will prevent this card from being returned. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.</p> <p>1. <input type="checkbox"/> Show to whom delivered, date, and addressee's address. (Extra charge) 2. <input type="checkbox"/> Restricted Delivery (Extra charge)</p>	
<p>3. Article Addressed to:</p> <p>Mr. Jim Jensen Environmental Coordinator Square D Co. P.O. Box 3069 Cedar Rapids, IA 52406-3069</p>	<p>4. Article Number</p> <p>p 400 661 673</p> <p>Type of Service:</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Insured <input type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise</p> <p>Always obtain signature of addressee or agent and DATE DELIVERED.</p>
<p>5. Signature — Addressee</p> <p>X</p>	<p>8. Addressee's Address (ONLY if requested and fee paid)</p>
<p>6. Signature — Agent</p> <p>X</p>	
<p>7. Date of Delivery</p> <p>DEC 18 1990</p>	
<p>PS Form 3811, Apr. 1989 U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT</p>	

STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE, CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached and present the article at a post office service window or hand it to your rural carrier. (no extra charge)
2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach and retain the receipt, and mail the article.
3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.
4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.
5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.
6. Save this receipt and present it if you make inquiry.

U.S.G.P.O. 1989-234-555